

Converting Colors

CIELCh(45, 76.548, 32.395)

Have a look what the booklet for
CIELCh(45, 76.548, 32.395) contains.

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Color

CIELCh(45, 76.548, 32.395)

Conversions

Conversions Part 1

Format	Color
Hex	CF212A
RGB	207, 33, 42
RGB Percent	81%, 13%, 16%
CMY	0.1879, 0.8700, 0.8350
CMYK	0.00, 0.84, 0.80, 0.19
HSL	357°, 72%, 47%
HSV	357°, 84%, 81%
XYZ	26.7255, 14.5417, 3.5950
YIQ	86.0520, 100.8150, 39.6870

Conversions

Conversions Part 2

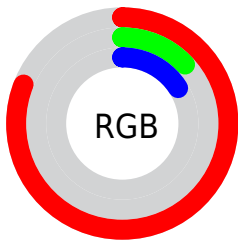
Format	Color
RYB	207, 33, 42
Decimal	13574442
CIELab	45.00, 64.64, 41.01
CIElCh	45, 76.548, 32.395
Yxy	14.5417, 0.5957, 0.3241
Android (android.graphics.Color)	4291764522 (0xFFCF212A)
YUV	86.0520, -21.7176, 106.0714
Hunter-Lab	38.1336, 58.3659, 21.1041

Details

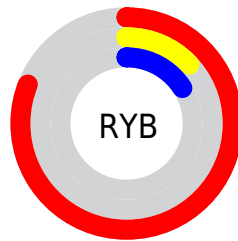
The CIELCh color **45, 76.548, 32.395** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **76, 42.978, 189.836**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 69.904, 32.248**, and **29, 67.550, 39.211** is the 20% darker color. If you saturate the color by 10%, you get **44, 83.929, 36.400**, and if you desaturate by 10%, it is **47, 67.764, 28.441**.

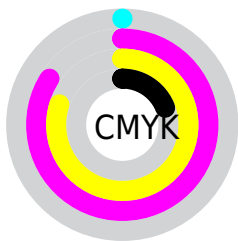
Distribution



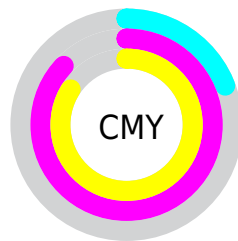
- Red (81%)
- Green (13%)
- Blue (16%)



- Red (81%)
- Yellow (13%)
- Blue (16%)



- Cyan (0%)
- Magenta (84%)
- Yellow (80%)
- Black (19%)



- Cyan (19%)
- Magenta (87%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 76.548, 32.395 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 45, 76.548, 32.395 by changing the saturation by 10% instead.

 45, 76.548, 32.395

 45, 76.548, 32.395

 100, 76.548,
32.395

 35, 76.548, 32.395

 65, 76.548, 32.395

 25, 76.548, 32.395

 75, 76.548, 32.395

 15, 76.548, 32.395

 85, 76.548, 32.395

 5, 76.548, 32.395

 95, 76.548, 32.395

 0, 76.548, 32.395

 45, 76.548, 32.395

 45, 76.548, 32.395

 44, 83.929, 36.400

 47, 67.764, 28.441

 43, 87.296, 38.231

 51, 58.245, 25.052

■ 55, 48.380, 22.330

■ 59, 38.504, 20.199

■ 64, 28.893, 18.541

■ 70, 19.728, 17.241

■ 75, 11.107, 16.198

■ 81, 3.059, 15.249

■ 87, 4.429, 194.894

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45, 76.548, 32.395



76, 42.978, 189.836

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45, 76.548, 32.395



45, 76.548, 82.395



45, 76.548, 212.395



45, 76.548, 262.395

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45, 76.545, 32.397



83, 24.445, 17.394



49, 94.425, 325.754



42, 16.879, 17.835



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45, 76.545, 32.397



53, 102.612, 38.597



56, 65.330, 58.486



41, 4.464, 15.776



35, 74.351, 37.749



4, 20.023, 17.075

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



45, 76.545, 32.397



53, 102.612, 38.597



53, 46.524, 269.458



41, 4.464, 15.776



35, 74.351, 37.749



4, 20.023, 17.075

Previews

White Background



This preview shows how the CIELCh color 45, 76.548, 32.395 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 45, 76.548, 32.395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 76.548, 32.395

Background



This preview shows how black text looks on a background with the CIELCh color 45, 76.548, 32.395.



This preview shows how white text looks on a background with the CIELCh color 45, 76.548, 32.395.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45, 76.548, 32.395

Protanopia

46, 27.236, 96.406

Deuteranopia

45, 44.592, 82.512



Tritanopia
45, 78.693, 35.658

Trichromacy



Original Color
45, 76.548, 32.395

Protanomaly
42, 38.294, 46.589

Deuteranomaly
43, 51.756, 51.983

Tritanomaly
45, 78.023, 34.574

Monochromacy



Original Color
45, 76.548, 32.395

Achromatopsia
37, 0.005, 296.813

Achromatomaly
36, 29.237, 20.996

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 76.548, 32.395 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(207, 33, 42)` looks like.

```
.text, #text, p{  
    color:rgb(207, 33, 42)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(207, 33, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 33, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 76.548, 32.395 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 33, 42) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(207, 33, 42) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(207, 33, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 33, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 33, 42);  
box-shadow:4px 4px 4px 4px rgb(207, 33,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 76.548, 32.395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 33, 42) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(207, 33,  
42) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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